Paper Code: 3617   Paper Title: ADVANCED UNIX/LINUX

Time: 02:30 Hours   Marks: 70

Q1   **Answer any FIVE from the following:**   [10]

   a.   Explain grep command with one example.

   b.   What is shell?

   c.   Define: hybrid kernel

   d.   What is Ping? Give the example.

   e.   Explain asorti() function with example.

   f.   What is piping in UNIX?

   g.   Explain system calls: open, lseek

Q2   **Answer any FIVE from the following:**   [15]

   a.   Explain if condition in UNIX.

   b.   Give process related commands with example.

   c.   Write a note on GIMP.

   d.   Give the difference between GNOME and KDE.

   e.   Explain echo and cut command with example.

   f.   Explain types of kernel.

   g.   Explain case statement with example.

Q3   **Answer any FIVE from the following:**   [25]

   a.   Write a shell script to print prime numbers from 1 to 100.

   b.   Explain ls and command with all the possibility.

   c.   What is File server? Explain SAMBA server.

   d.   What wildcard character? Explain with example.

   e.   Explain the file system of UNIX

   f.   Write an algorithm for I-node assignment to a new file.

   g.   What is Inode? Explain in brief.

Q4   **Answer any TWO from the following:**   [20]

   a.   What is chmod, chown, umask? Explain in brief with example.

   b.   Write a brief note on DHCP and DNS.

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  c. Write the following script.

    1. To displaying the following triangle.

```
*
2  3
*  *  *
7  8  9  10
```

    2. Write a shell script to enter your name and displaying your name in reverse order.

      e.g.   LAXMAN = NAMXAL